



SLURRY PUMP SUPPLY

REL

PT RESOURCE EQUIPMENT INDONESIA

PT. LEIGHTON CONTRACTOR INDONESIA

PROJECT LOCATION: Coal Mining owned by PT. Mahakam Sumber Jaya at Separi District, East Kalimantan Province, Indonesia

PROBLEM: PT. LCI need to remove mud, silt and debris caused by wet season inflows from their open cut mining operations. Our client had considerable experience historically pumping mud and had purchased Dragflow Pumps for their Wahana project, which had commenced earlier. As a result, the client was well aware of both the effectiveness and efficiencies associated with the recovery and pumping of mud compared to manually handling it. Our client was also well aware of the robustness of construction and exceptional availability of the Dragflow product. In this instance due to the very short notice to undertake the project and the projects planned duration, PT LCI opted to rent rather than purchase the product to fulfilled their short-term needs.

SOLUTION: PT REL were called to access the application, supply the pump, design construct and supply all ancillary components, including pump to boom adaptor, all custom hydraulic components to allow full tie in and operation, a custom rock screen and material agitator.

SERVICE PROVIDED BY REI: Consultation on the application, equipment selection, design, engineering and construction of all specialist components inc excavator boom adaptor, hydraulic tie in and operational components and a custom rock screen. Pt REL also supplied all discharge couplings, high pressure discharge hoses, on site fitting, testing, commissioning and support.

PROJECT SCOPE:

Flowrate requirement: 85 l/s,

Static Head: 60mt,

Pipe Length: 1,135mt x 315mm PN12.5 DN250 (10") HDPE,

Specific Gravity of Slurry: 1.3,

pH: 6-7.

DURATION OF PROJECT: 6 Months

EQUIPMENT PROVIDED: 1 only Dragflow HY85 Hydraulic Submersible Slurry Pump c/w a high chrome material agitator, custom boom to pump adaptor, complete hydraulic tie in to our clients CAT 336 Excavator and rock separator cage

1 only REL Custom Designed High Volume, High Head, High Chrome HM200 Slurry Booster Pump

All other required components, hoses and accessories to allow for complete hook up and operation of the mud management system.

PT REI supplied Site Compliant Light Vehicles, Skilled Operational and Maintenance Personal.

RESULT: Our client has advised that performance of both our equipment and skills of our personnel met with their expectations and that discharge expectations are being comfortably achieved.



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